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Total Number of Pages in This Submission

	Application Number	10/530,399
	Filing Date	July 30, 2003
	First Named Inventor	C. Frank Bennett
	Art Unit	1635
	Examiner Name	Amy Hudson Bowman
5	Attorney Docket Number	RTS-0324US.C1

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Isis Pharmaceuticals, Inc.		
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Printed name	Colleen J. McKieman, PhD		
Date	March 10, 2005	Reg. No.	48,570

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Date March 10, 2005

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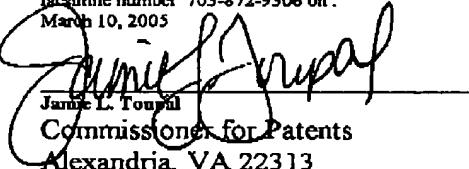
MAR 10 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **ISPH-0752 (ISIS No RTS-0324US.C1)**Inventors: **C. Frank Bennett**Serial No.: **10/630,399**Filing Date: **July 30, 2003**Examiner: **Amy Hudson Bowman**Customer No.: **32,862**Group Art Unit: **1635**Title: **Antisense modulation of IL-1 Receptor-Associated Kinase 4 expression**

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Jamie L. Toupil
Commissioner for Patents
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Reply under 37 C.F.R. § 1.111

Dear Examiner Bowman:

This is a reply to the Office Action mailed February 10, 2005 setting a one (1) month period for response. Please enter the following amendments and remarks into the record.

The Amendments to the Claims are reflected in the listing of claims which begins on page 2.

Remarks begin on page 4.